

Figure 1

FAE1 w/ respect to time

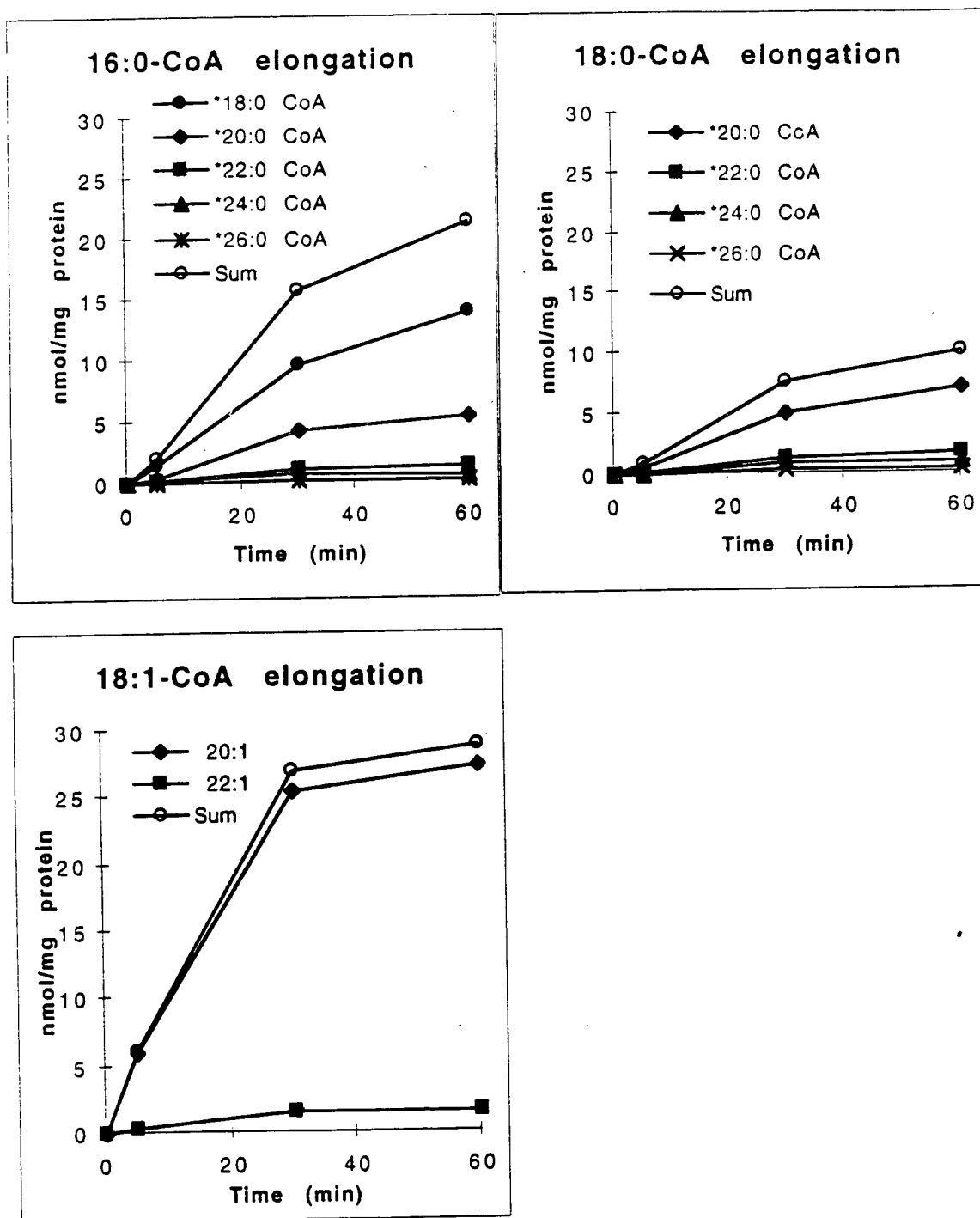
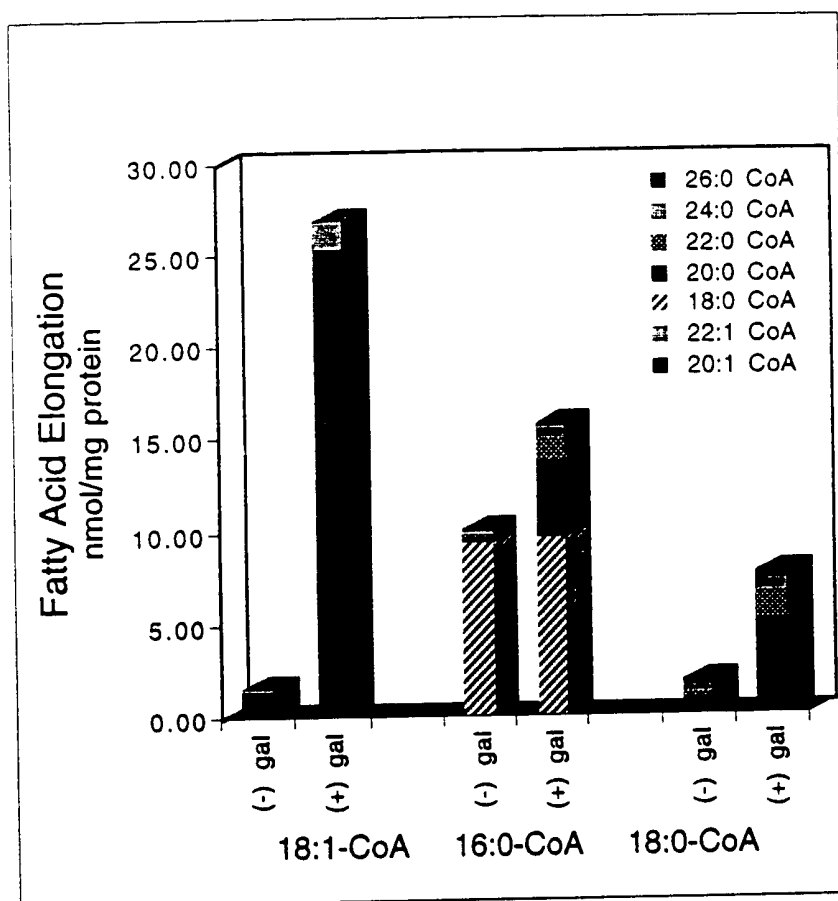


Figure 2



Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	28	38	35	0.15	2.1	0.98	Normal
Gender	1.2	0.4	1	2	1	1	1	1	0.05	0.2	0.95	Normal
Marital Status	2.1	0.8	1	3	2	1	3	2	0.12	1.8	0.97	Normal
Education	15.8	2.5	10	20	16	15	17	16	0.08	0.5	0.99	Normal
Income	1200	300	500	2500	1100	900	1300	1000	0.18	2.5	0.96	Normal
Occupation	1.5	0.5	1	3	1	1	2	1	0.03	0.1	0.99	Normal
Health Status	2.5	0.6	1	3	2	2	2	2	0.01	0.05	0.99	Normal
Stress Level	3.2	1.1	1	5	3	2	4	3	0.10	1.5	0.97	Normal
Life Satisfaction	4.1	0.9	2	5	4	3	5	4	0.06	0.8	0.98	Normal
Resilience	3.8	1.0	1	5	3	2	4	3	0.11	1.6	0.96	Normal
Optimism	4.3	0.8	2	5	4	3	5	4	0.04	0.6	0.99	Normal
Emotional Stability	3.5	0.7	1	5	3	2	4	3	0.09	1.4	0.97	Normal
Self-Esteem	4.0	0.9	2	5	4	3	5	4	0.05	0.7	0.98	Normal
Life Satisfaction	4.1	0.9	2	5	4	3	5	4	0.06	0.8	0.98	Normal
Resilience	3.8	1.0	1	5	3	2	4	3	0.11	1.6	0.96	Normal
Optimism	4.3	0.8	2	5	4	3	5	4	0.04	0.6	0.99	Normal
Emotional Stability	3.5	0.7	1	5	3	2	4	3	0.09	1.4	0.97	Normal
Self-Esteem	4.0	0.9	2	5	4	3	5	4	0.05	0.7	0.98	Normal

EL1
FIGURE 3

[illegible]

520 Amino Acids

52 Strongly Acidic(-) Amino Acids (D,E)

187 Hydrophobic Amino Acids (A, I, L, F, W, V)

144 Polar Amino Acids (N, C, Q, S, T, Y)

8.784 Isoelectric Point

10.804 Charge at PH 7.0

MDRERLTAEM	AFRDSSSAVI	RIRRLPDLL	TSVKLKYVKL	GLHNSCNVTT	ILFFLIILPL
TGTVLVQLTG	LTFDTFSELW	SNQAVQLDTA	TRLTCLVFLS	FVLTLYVANR	SKPVYLVDFS
CYKPEDERKI	SVDSFLTMTTE	ENGSTDDTV	QFQQRISNRA	GLGDETYLPR	GITSTPPKLN
MSEARAEAEA	VMFGALDSL	EKTGIKPAEV	GILIVNCSLF	NPTPSLSAMI	VNHYKMREDI
KSYNLGGMGC	SAGLISIDLA	NNLLKANPNS	YAVVVSTENI	TLNWFYGNDR	SMLLCNCIFR
MGGAAILLN	RRQDRKSKY	SLVNVVRTHK	GSDDKNYNVCV	YQKEDERGTI	GVSLARELMS
VAGDALKTNI	TTLGPMVLPL	SEQLMFLISL	VKRKMFKLV	KPYIPDFKLA	FEHFCIHAGG
RAVLDEVQKN	LDLKDWHMEP	SRMTLHRFGN	TSSSSLWYEM	AYTEAKGRVK	AGDRLWQIAF
GSGFKCNSAV	WKALRPVSTE	EMTGNAWAGS	IDQYPVKVVQ		

FIGURE 4

EL2 1479 bases

ATGGATTACC	CCATGAAGAA	GGTAAAAATC	TTTTTCAACT	ACCTCATGGC	GCATCGCTTC	
AAGCTCTGCT	TCTTACCAT	AATGGTTGCT	ATAGCCGTGG	AGGCGTCTCG	TCTTTCCACA	120
CAAGATCTCC	AAAACTTT	CCTCTACTTA	CAAAACAACC	ACACATCTCT	AACCATGTTT	
TTCCTTTACC	TCGCTCTCGG	GTCGACTCTT	TACCTCATGA	CCCGGCCCAA	ACCCGTTTAT	240
CTCGTTGACT	TTAGCTGCTA	CCTCCCACCG	TCGCATCTCA	AAGCCAGCAC	CCAGAGGATC	
ATGCAACACG	TAAGGCTTGT	ACGAGAAGCA	GGCGCGTGGA	AGCAAGAGTC	CGATTACTTG	360
ATGGACTTCT	GCGAGAAGAT	TCTAGAACGT	TCCGGTCTAG	GCCAAGAGAC	GTACGTACCC	
GAAGGTCTTC	AAACTTTGCC	ACTACAACAG	AATTTGGCTG	TATCACGTAT	AGAGACGGAG	480
GAAGTTATTA	TTGGTGCGGT	CGATAATCTG	TTTCGCAACA	CGGGAATAAG	CCCTAGTGAT	
ATAGGTATAT	TGGTGGTGAA	TTCAAGCACT	TTTAATCCAA	CACCTTCGCT	ATCAAGTATC	600
TTAGTGAATA	AGTTTAAACT	TAGGGATAAT	ATAAAGAGCT	TGAATCTTGG	TGGGATGGGG	
TGTAGCGCTG	GAGTCATCGC	TATCGATGCG	GCTAAGAGCT	TGTTACAAGT	TCATAGAAAC	720
ACTTATGCTC	TTGTGGTGAG	CACGGAGAAC	ATCACTCAAA	ACTTGTACAT	GGGTAACAAC	
AAATCAATGT	TGGTTACAAA	CTGTTTGTTC	CGTATAGGTG	GGGCCGCGAT	TTTGCTTTCT	840
AACCGGTCTA	TAGATCGTAA	ACGCGCAAAA	TACGAGCTTG	TTACACCCGT	GCGGGTCCAT	
ACCGGAGCAG	ATGACCGATC	CTATGAATGT	GCAACTCAAG	AAGAGGATGA	AGATGGCATA	960
GTTGGGGTTT	CCTTGTCAAA	GAATCTACCA	ATGGTAGCTG	CAAGAACCCT	AAAGATCAAT	
ATCGCAACTT	TGGGTCCGCT	TGTTCTTCCC	ATAAGCGAGA	AGTTTCACTT	CTTTGTGAGG	1080
TTCGTTAAAA	AGAAGTTTCT	CAACCCCAAG	CTAAAGCATT	ACATTCCGGA	TTTCAAGCTC	
GCATTGAGC	ATTTCTGTAT	CCATGCGGGT	GGTAGAGCGC	TAATTGATGA	GATGGAGAAG	1200
AATCTTCATC	TAACCTCCACT	AGACGTTGAG	GCTTCAAGAA	TGACATTACA	CAGGTTTGGT	
AATACCTCTT	CGAGCTCCAT	TTGGTACGAG	TTGGCTTACA	CAGAAGCCAA	AGGAAGGATG	1320
ACGAAAGGAG	ATAGGATTTG	GCAGATTGCG	TTGGGGTCAG	GTTTTAAGTG	TAATAGTTCA	
GTTTGGGTGG	CTCTTCGTAA	CGTCAAGCCT	TCTACTAATA	ATCCTTGGA	ACAGTGTCTA	1440
CACAAATATC	CAGTTGAGAT	CGATATAGAT	TTAAAAGAG			

EL2
FIGURE 5

EL2 protein sequence
Molecular Weight 55799.30 Daltons
493 Amino Acids
55 Strongly Basic(+) Amino Acids (K,R)
46 Strongly Acidic(-) Amino Acids (D,E)
181 Hydrophobic Amino Acids (A,I,L,F,W,V)
134 Polar Amino Acids (N,C,Q,S,T,Y)
8.756 Isoelectric Point
10.995 Charge at PH 7.0

MDYPMKKVKI	FFNYLMAHRF	KLCFLPLMVA	IAVEASRLST	QDLQNFYLYL	QNNHTSLTMF	FLYLALGSTL
YLMTRPKPVY	LVDFSCYLPP	SHLKASTQRI	MQHVRLVREA	GAWKQESDYL	MDFCEKILER	SGLGQETYVP
EGLQTLPLQQ	NLAVSRIETE	EVIIGAVDNL	FRNTGISPSD	IGILVVNSST	FNPTPSLSSI	LVNKFCLRDN
IKSLNLGGMG	CSAGVIAIDA	AKSLLQVHRN	TYALVVSTEN	ITQNYLMGNN	KSMLVTNCLF	RIGGAAILLS
NRSIDRKRAK	YELVHTVRVH	TGADDRSYEC	ATQEEDEDGI	VGVSLSKNLP	MVAARTLKIN	IATLGPLVLP
ISEKFHFFVR	FVKKKFLNPK	LKHYIPDFKL	AFEHFCIHAG	GRALIDEMEK	NLHLTPLDVE	ASRMTLHRFG
NTSSSSIWYE	LAYTEAKGRM	TKGDRIWQIA	LGSQFKCNSS	VWVALRNVKP	STNNPWEQCL	HKYPVEIDID
LKE						

FIGURE 6

Parameter	Value	Unit
Initial concentration	1.0	g/L
Initial pH	7.0	
Temperature	25	°C
Time	0-120	min
Agitation speed	150	rpm
Batch size	100	mL
Adsorbent dose	0.1-1.0	g/L
Adsorbent type	Activated carbon	
Adsorbent surface area	1000	m ² /g
Adsorbent pore volume	0.5	cm ³ /g
Adsorbent density	0.5	g/cm ³
Adsorbent particle size	0.15-0.25	mm
Adsorbent batch	1	
Adsorbent storage	Room temperature	
Adsorbent treatment	None	
Adsorbent regeneration	None	
Adsorbent disposal	Landfill	
Adsorbent reuse	None	
Adsorbent cost	1.0	\$/kg
Adsorbent availability	High	
Adsorbent stability	High	
Adsorbent toxicity	Low	
Adsorbent biodegradability	Low	
Adsorbent recyclability	Low	
Adsorbent renewability	Low	
Adsorbent sustainability	Low	
Adsorbent social acceptability	Low	
Adsorbent regulatory compliance	Low	
Adsorbent lifecycle assessment	Low	
Adsorbent carbon footprint	Low	
Adsorbent water footprint	Low	
Adsorbent energy footprint	Low	
Adsorbent land footprint	Low	
Adsorbent air footprint	Low	
Adsorbent noise footprint	Low	
Adsorbent waste footprint	Low	
Adsorbent total footprint	Low	
Adsorbent overall sustainability	Low	
Adsorbent recommendation	Not recommended	
Adsorbent conclusion	Not suitable for large-scale application	
Adsorbent future research	Investigate alternative adsorbents	
Adsorbent disclaimer	This study is for informational purposes only	
Adsorbent copyright	© 2023	
Adsorbent publication date	2023-10-27	
Adsorbent journal name	Journal of Environmental Engineering	
Adsorbent journal volume	15	
Adsorbent journal issue	10	
Adsorbent journal page range	1-10	
Adsorbent journal DOI	10.1061/(ASCE)EE	
Adsorbent journal ISSN	1080-4022	
Adsorbent journal EISSN	1937-0762	
Adsorbent journal publisher	ASCE	
Adsorbent journal website	www.ascelibrary.org	
Adsorbent journal contact	info@ascelibrary.org	
Adsorbent journal address	1801 Alexander Bell Dr., Reston, VA 20191-4400	
Adsorbent journal phone	703/295-6000	
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EL3
FIGURE 7

FIGURE 7

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health Status	0.8	0.2	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	3.5	1.5	1	5
Sleep Quality	4.0	1.0	2	5
Dietary Habits	3.0	1.0	1	5
Work-Life Balance	3.5	1.0	1	5
Family Support	4.5	1.0	2	5
Community Involvement	2.0	1.0	0	4
Overall Well-being	4.0	1.0	2	5

EL3
FIGURE 8

Variable	Mean	SD	Min	Max	Median	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	30	0.15	2.8	0.98	Normal
Gender	1.2	0.4	1	2	1	1	0.05	1.2	0.99	Normal
Marital Status	2.1	0.8	1	3	2	2	0.10	2.5	0.97	Normal
Education	14.5	2.1	8	18	13	12	0.20	3.2	0.96	Normal
Income	1200	300	500	2500	1000	800	0.18	2.9	0.98	Normal
Occupation	1.5	0.5	1	3	1	1	0.08	1.5	0.99	Normal
Health Status	2.5	0.6	1	3	2	2	0.12	2.7	0.97	Normal
Stress Level	3.2	1.1	1	5	3	3	0.16	3.0	0.96	Normal
Life Satisfaction	4.1	0.9	2	5	4	4	0.14	2.8	0.98	Normal
Resilience	3.8	1.0	1	5	3	3	0.17	3.1	0.95	Normal
Optimism	4.3	0.8	2	5	4	4	0.13	2.7	0.99	Normal
Emotional Stability	3.5	0.7	1	5	3	3	0.11	2.6	0.98	Normal
Self-Esteem	4.0	0.9	2	5	4	4	0.15	2.9	0.97	Normal
Life Satisfaction	4.1	0.9	2	5	4	4	0.14	2.8	0.98	Normal
Resilience	3.8	1.0	1	5	3	3	0.17	3.1	0.95	Normal
Optimism	4.3	0.8	2	5	4	4	0.13	2.7	0.99	Normal
Emotional Stability	3.5	0.7	1	5	3	3	0.11	2.6	0.98	Normal
Self-Esteem	4.0	0.9	2	5	4	4	0.15	2.9	0.97	Normal

EL4
FIGURE 10

EL5 cDNA 1611 bases

TCGAGCTACG	TCAGGGCTTT	TATATGCACA	AATTCTCATA	AAGTTTTCAA	TTTTATTCCA	TTTTTCTCGG
AAGCCATGGA	AGCTGCTAAT	GAGCCTGTTA	ATGGCGGATC	CGTACAGATC	CGAACAGAGA	ACAACGAAAG
ACGAAAGCTT	CCTAATTTCT	TACAAAGCGT	CAACATGAAA	TACGTCAAGC	TAGGTTATCA	TTACCTCATT
ACTCATCTCT	TCAAGCTCTG	TTTGGTTCCA	TTAATGGCGG	TTTTAGTCAC	AGAGATCTCT	CGATTAACAA
CAGACGATCT	TTACCAGATT	TGGCTTCATC	TCCAATACAA	TCTCGTTGCT	TTCATCTTTC	TCTCTGCTTT
AGCTATCTTT	GGCTCCACCG	TTTACATCAT	GAGTCGTCCC	AGATCTGTTT	ATCTCGTTGA	TTACTCTTGT
TATCTTCCTC	CGGAGAGTCT	TCAGGTTAAG	TATCAGAAGT	TTATGGATCA	TTCTAAGTTG	ATTGAAGATT
TCAATGAGTC	ATCTTTAGAG	TTTCAGAGGA	AGATTCTTGA	ACGTTCTGGT	TTAGGAGAAG	AGACTTATCT
CCCTGAAGCT	TTACATTGTA	TCCCTCCGAG	GCCTACGATG	ATGGCGGCTC	GTGAGGAATC	TGAGCAGGTA
ATGTTTGGTG	CTCTTGATAA	GCTTTTTCGAG	AATACCAAGA	TTAACCCTAG	GGATATTGGT	GTGTTGGTTG
TGAATTGTAG	CTTGTTTAAT	CCTACACCTT	CGTTGTCAGC	TATGATTGTT	AACAAGTATA	AGCTTAGAGG
GAATGTTAAG	AGTTTTAACC	TTGGTGGAAAT	GGGGTGTAGT	GCTGGTGTGA	TCTCTATCGA	TTTAGCTAAA
GATATGTTGC	AAGTTCATAG	GAATACTTAT	GCTGTTGTGG	TTAGTACTGA	GAACATTACT	CAGAATTGGT
ATTTTGGGAA	TAAGAAGGCT	ATGTTGATTC	CGAATTGTTT	GTTTCGTGTT	GGTGGTTCCG	CGATTTTGTT
GTCGAACAAG	GGGAAAGATC	GTAGACGGTC	TAAGTATAAG	CTTGTTTCATA	CCGTTAGGAC	TCATAAAGGA
GCTGTTGAGA	AGGCTTTCAA	CTGTGTTTAC	CAAGAGCAAG	ATGATAATGG	GAAGACCGGG	GTTTCGTTGT
CGAAAGATCT	TATGGCTATA	GCTGGGGAAG	CTCTTAAGGC	GAATATCACT	ACTTTAGGTC	CTTTGGTTCT
TCCTATAAGT	GAGCAGATTG	TGTTTTTCAT	GACTTTGGTT	ACGAAGAAAC	TGTTTAACTC	GAAGCTGAAG
CCGTATATTC	CGGATTTCAA	GCTTGCGTTT	GATCATTTCT	GTATCCATGC	TGGTGGTAGA	GCTGTGATTG
ATGAGCTTGA	GAAGAATCTG	CAGCTTTCGC	AGACTCATGT	CGAGGCATCC	AGAATGACAC	TGCACAGATT
TGGAAACACT	TCTTCGAGCT	CGATTTGGTA	TGAACTGGCT	TACATAGAGG	CTAAAGGTAG	GATGAAGAAA
GGAAACCGGG	TTTGGCAGAT	TGCTTTTGGA	AGTGGGTTTA	AGTGTAACAG	TGCAGTTTGG	GTGGCTCTAA
ACAATGTCAA	GCCTTCGGTT	AGTAGTCCGT	GGGAACACTG	CATCGACCGA	TATCCGGTTA	AGCTCGACTT

C

EL5
FIGURE 11

09883797 "061604

[illegible]

EL5
FIGURE 12

EL6

1502 bases

TCTCCGACGATGCCTCAGGCACCGATGCCAGAGTTCTCTAGCTCGGTGAAGCTCAAGTACGTGAAACTTGGTTACCAA
TATTTGGTTAACCATTCTTTGAGTTTTCTTTTGATCCCGATCATGGCTATTGTGCGCGTTGAGCTTCTTCGGATGGGT
CCTGAAGAGATCCTTAATGTTTGGAAATCACTCCAGTTTGACCTAGTTTCAAGTTCTATGTTCTTCCTTCTTTGTCTC
TTCATCTCCACTGTTTACTTTCATGTCCAAGCCACGCACCATCTACCTCGTTGACTATTCTTGTGTACAAGCCACCTGTC
ACGTGTCTGTGTCCTTTCGCAACTTTTCATGGAACACTCTCGTTTGATCCTCAAGGACAAGCCTAAGAGCGTTCGAGTTC
CAAATGAGAATCCTTGAACGTTCTGGCCTCGGTGAGGAGACTTGTCTCCCTCCGGCTATTCAATTATATTCCTCCCA
CCAACCATGGACGCGGCTAGAAGCGAGGCTCAGATGGTTATCTTCGAGGCCATGGACGATCTTTTCAAGAAAACCGGT
CTTAAACCTAAAGACGTTCGACATCCTTATCGTCAACTGCTCTCTTTTCTCTCCACACCATCGCTCTCAGCTATGGTC
ATCAACAAATATAAGCTTAGGAGTAATATCAAGAGCTTCAATCTTTGCGGGATGGGCTGCAGCGCGGGCTGATCTCA
GTTGATCTAGCCCGCGACTTGCTCCAAGTTCATCCCAATTCAAATGCAATCATCGTCAGCACGGAGATCATAACGCCT
AATTACTATCAAGGCAACGAGAGAGCCATGTTGTTACCCAATTGTCTCTTCCGCATGGGTGCGGCAGCCATACACATG
TCAAACCGCCGGTCTGACCGGTGGCGAGCCAAATACAAGCTTTCCACCTCGTCCGGACACACCGTGGCGCTGACGAC
AAGTCTTTTACTGTGTCTACGAACAGGAAGACAAAGAAGGACACGTTGGCATCAACTTGTCCAAAGATCTCATGGCC
ATCGCCGGTGAAGCCCTCAAGGCAAACATCACCACAATAGGTCTTTGGTCTTACC GGCGT CAGAACAACCTCTCTTC
CTCACGTCCCTAATCGGACGTAAAAATCTTCAACCCGAAATGGAAACCATAACATACCGGATTTCAAGCTGGCCTTCGAA
CACTTTTGCATTACGCAGGAGGCAGAGCGGTGATCGACGAGCTCCAAAAGAATCTACAACATATCAGGAGAACACGTT
GAGGCCTCAAGAATGACACTACATCGTTTTGGTAACACGTCATCTTCATCGTTATGGTACGAGCTTAGCTACATCGAG
TCTAAAGGGAGAATGAGGAGAGGCGATCGCGTTTGGCAAATCGCGTTTGGGAGTGGTTTCAAGTGTAACCTCTGCCGTG
TGGAAGTGTAACCGTACGATTAAGACACCTAAGGACGACCATGGTCCGATTGTATCGACCGTTACCCTGTCTTTATT
CCCGAAGTTGTCAAACCTCTA

EL6

FIGURE 13

09093797 061004

EL6 protein sequence
Molecular Weight 56687.90 Daltons
500 Amino Acids
59 Strongly Basic(+) Amino Acids (K,R)
46 Strongly Acidic(-) Amino Acids (D,E)
182 Hydrophobic Amino Acids (A,I,L,F,W,V)
127 Polar Amino Acids (N,C,Q,S,T,Y)
8.909 Isoelectric Point
14.567 Charge at PH 7.0

SPTMPQAMP	EFSSSVKLKY	VKLGQYLVN	HFLSFLLIPI	MAIVAVELLR	MGPEEILNVW	NSLQFDLVQV
LCSSFFVIFI	STVYFMSKPR	TIYLVYSCY	KPPVTCRVPF	ATFMEHSRLI	LKDKPKSVEF	QMRILERSGL
GEETCLPPAI	HYIPPTPTMD	AARSEAQMVI	FEAMDDLFFK	TGLKPKDVID	LIVNCSLFSP	TPSLSAMVIN
KYKLRSNIKS	FNLSGMGCSA	GLISVDLARD	LLQVHPNSNA	IIVSTEIITP	NYQQNERAM	LLPNCLFRMG
AAAIHMSNRR	SDRWRAKYKL	SHLVRTHRGA	DDKSFYCVYE	QEDKEGHVGI	NLSKDLMAIA	GEALKANITT
IGPLVLPASE	QLLFLTSLIG	RKIFNPKWKP	YIPDFKLAFE	HFCIHAGGRA	VIDELQKNLQ	LSGHEVASR
MTLHRFGNTS	SSSLWYELSY	IESKGRMRRG	DRVWQIAFGS	GFKCNSAVWK	CNRTIKTPKD	GPWSDCIDRY
PVEIPEVVKL						

1548 bases

Parameter	Unit	Value	Standard Error	t-Statistic	p-Value
Intercept		1.0000	0.0000	1.0000	0.0000
Age	Years	0.0000	0.0000	0.0000	0.0000
Gender		0.0000	0.0000	0.0000	0.0000
Marital Status		0.0000	0.0000	0.0000	0.0000
Education	Years	0.0000	0.0000	0.0000	0.0000
Income	USD	0.0000	0.0000	0.0000	0.0000
Health		0.0000	0.0000	0.0000	0.0000
Smoking		0.0000	0.0000	0.0000	0.0000
Alcohol		0.0000	0.0000	0.0000	0.0000
Exercise		0.0000	0.0000	0.0000	0.0000
Stress		0.0000	0.0000	0.0000	0.0000
Family Size		0.0000	0.0000	0.0000	0.0000
Work Hours	Hours/Week	0.0000	0.0000	0.0000	0.0000
Job Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Overall Health		0.0000	0.0000	0.0000	0.0000
Depression		0.0000	0.0000	0.0000	0.0000
Loneliness		0.0000	0.0000	0.0000	0.0000
Resilience		0.0000	0.0000	0.0000	0.0000
Optimism		0.0000	0.0000	0.0000	0.0000
Gratitude		0.0000	0.0000	0.0000	0.0000
Forgiveness		0.0000	0.0000	0.0000	0.0000
Compassion		0.0000	0.0000	0.0000	0.0000
Kindness		0.0000	0.0000	0.0000	0.0000
Patience		0.0000	0.0000	0.0000	0.0000
Humility		0.0000	0.0000	0.0000	0.0000
Modesty		0.0000	0.0000	0.0000	0.0000
Generosity		0.0000	0.0000	0.0000	0.0000
Charity		0.0000	0.0000	0.0000	0.0000
Love		0.0000	0.0000	0.0000	0.0000
Peace		0.0000	0.0000	0.0000	0.0000
Harmony		0.0000	0.0000	0.0000	0.0000
Unity		0.0000	0.0000	0.0000	0.0000
Cooperation		0.0000	0.0000	0.0000	0.0000
Teamwork		0.0000	0.0000	0.0000	0.0000
Leadership		0.0000	0.0000	0.0000	0.0000
Communication		0.0000	0.0000	0.0000	0.0000
Relationships		0.0000	0.0000	0.0000	0.0000
Community		0.0000	0.0000	0.0000	0.0000
Society		0.0000	0.0000	0.0000	0.0000
World		0.0000	0.0000	0.0000	0.0000
Universe		0.0000	0.0000	0.0000	0.0000
Nature		0.0000	0.0000	0.0000	0.0000
Environment		0.0000	0.0000	0.0000	0.0000
Climate		0.0000	0.0000	0.0000	0.0000
Weather		0.0000	0.0000	0.0000	0.0000
Seasons		0.0000	0.0000	0.0000	0.0000
Time		0.0000	0.0000	0.0000	0.0000
Space		0.0000	0.0000	0.0000	0.0000
Distance		0.0000	0.0000	0.0000	0.0000
Direction		0.0000	0.0000	0.0000	0.0000
Location		0.0000	0.0000	0.0000	0.0000
Place		0.0000	0.0000	0.0000	0.0000
Area		0.0000	0.0000	0.0000	0.0000
Volume		0.0000	0.0000	0.0000	0.0000
Weight		0.0000	0.0000	0.0000	0.0000
Mass		0.0000	0.0000	0.0000	0.0000
Energy		0.0000	0.0000	0.0000	0.0000
Power		0.0000	0.0000	0.0000	0.0000
Force		0.0000	0.		

EL7
FIGURE 15

EL7 protein sequence
Molecular Weight 57848.80 Daltons
516 Amino Acids
59 Strongly Basic(+) Amino Acids (K,R)
48 Strongly Acidic(-) Amino Acids (D,E)
189 Hydrophobic Amino Acids (A,I,L,F,W,V)
131 Polar Amino Acids (N,C,Q,S,T,Y)
8.872 Isoelectric Point
12.792 Charge at PH 7.0

MDGAGESRLG	GDGGGDGSVG	VQIRQTRMLP	DFLQSVNLKY	VKLGYHYLIS	NLLTLCLFPL	AVVISVEASQ
MNPDDLKQLW	IHLQYNLVS	IICSAILVFG	LTVYVMTRPR	PVYLVDVFCY	LPPDHLKAPY	ARFMEHSRLT
GDFDDSALEF	QRKILERSGL	GEDTYVPEAM	HYVPPRISMA	AAREEAEQVM	FGALDNLFAN	TNVKPKDIGI
LVVNCSLFNP	TPSLSAMIVN	KYKLRGNIRS	YNLGGMGCSA	GVIADVLAKE	MLLVHRNTYA	VVVSTENITQ
NWYFGNKKSM	LIPNCLFRVG	GSAVLLSNKS	RDKRRSKYRL	VHVVRTHRGA	DDKAFCRCVYQ	EQDDTGRTGV
SLSKDLMAIA	GETLKTNITT	LGPLVLPIS	QILFFMTLVV	KKLFNGKVVP	YIPDFKLAFE	HFCIHAGGRA
VIDELEKNLQ	LSPVHVEASR	MTLHRFGNTS	SSSIWYELAY	IEAKGRMRRG	NRVWQIAFGS	GFKCNSAIWE
ALRHVKPSNN	SPWEDCIDKY	PVTLSY				

EL7
FIGURE 16

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